

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L4	22	(US-20020005188-\$ or US-20030106427-\$ or US-20030101970-\$ or US-20030056768-\$ or US-20020189438-\$ or US-20050076888-\$ or US-20030108443-\$ or US-20010015200-\$).did. or (US-6543424-\$ or US-6526949-\$ or US-RE37632-\$ or US-7024980-\$ or US-5873784-\$ or US-6068452-\$ or US-6619929-\$ or US-7108491-\$ or US-6827000-\$ or US-6722864-\$ or US-7185579-\$ or US-6910407-\$ or US-7080631-\$ or US-5850817-\$). did.	US-PGPUB; USPAT	OR	ON	2007/05/24 12:57
L5	0	4 and (fuel with provide with chamber)	US-PGPUB; USPAT	OR	ON	2007/05/24 12:58
L6	5	4 and (fuel with provid\$4)	US-PGPUB; USPAT	OR	ON	2007/05/24 12:58
S1	8	((("6364641") or ("6357415") or ("6848429") or ("6615799") or ("6796775") or ("6752127") or ("6817838") or ("7040276") or ("10816898.ap.") or ("11234290.ap.") or ("11696076.ap.")).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/16 09:06
S2	9	((("6364641") or ("6357415") or ("6848429") or ("6615799") or ("6796775") or ("6752127") or ("6817838") or ("7040276") or ("10816898.ap.") or ("11234290.ap.") or ("11696076.ap.") or ("20040208753")).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/22 07:44
S3	2	jp-2000240531\$6.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:25
S4	4	("20030106427" "5873784").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 09:26

## EAST Search History

S5	599	(417/319).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/23 08:08
S6	443	"cam ring" with (fail\$4 break notch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 15:02
S7	7	"cam ring" with ((fail\$4 break) and notch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/16 15:37
S8	28	cam with (shoe ring) with (break fail\$4) with (notch groove indent\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:33
S9	601	(417/319).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/17 08:58
S10	76	S9 and cam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 08:58
S11	29	cam with (shoe ring) with (break fail\$4 fractur\$3) with (notch groove indent\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 09:11

## EAST Search History

S12	28	cam with (shoe ring) with (break fail\$4) with (notch groove indent\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 09:11
S13	1	S11 not S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 09:23
S14	181	notch near5 "cam ring"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 09:23
S15	37	S14 and (fractur\$3 fail\$4 break\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/17 09:24
S16	257	(417/470).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/22 15:09
S17	2351	((91/491) or (91/492) or (91/493) or (91/494) or (91/495) or (91/496) or (91/497) or (91/498)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/22 15:10
S18	128	S17 and (frangi\$4 notch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 15:11

## EAST Search History

S19	71	S18 and cam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 15:11
S20	2351	((91/491) or (91/492) or (91/493) or (91/494) or (91/495) or (91/496) or (91/497) or (91/498)).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/22 15:37
S21	128	S20 and (frangi\$4 notch)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 15:37
S22	31	cam with (shoe ring) with (break fail\$4 frangi\$4) with (notch groove indent\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:34
S23	28	cam with (shoe ring) with (break fail\$4) with (notch groove indent\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 17:21
S24	3	S22 not S23	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:43
S25	540	(92/72).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/22 17:14

## EAST Search History

S26	3	S25 and (cam with (frangi\$4 break\$3 fail\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 16:44
S27	1508	(123/198D).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/22 17:19
S28	21	S27 and (cam with (safe\$5 frangi\$5 fail\$4 torque))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 17:23
S29	1750	(shoe ring) with (break fail\$4 frangib\$5) with (notch groove indent\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/22 17:23
S31	9	("20030044288"   "3824899"   "4218896"   "5171131"   "5630398"   "6004106"   "6145429"   "6149073"   "RE37632").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/22 17:29
S32	1750	(shoe ring) with (break fail\$4 frangib\$5) with (notch groove indent\$6)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 07:37
S33	61	S32 and rotary and (linear reciproc\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 07:37

## EAST Search History

S34	1350	(123/495).CCLS.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/23 08:09
S35	368	S34 and cam	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 08:09
S36	0	("200301408443").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/23 08:54
S37	2	("20030108443").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/23 09:21
S38	2	("20030106427").PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/05/23 11:46
S39	49	"fuel pump" with seiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/23 12:03
S40	491	"fuel pump" and seiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 08:06

## EAST Search History

S41	49	"fuel pump" with seiz\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/05/24 08:06
S42	6	("2079821"   "2180883"   "5382140"   "5415533").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/05/24 08:09